



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Kaufman, Randal J. *et al.*

Serial No.: 09/819098

Filed: April 11, 2001

For: *INACTIVATION RESISTANT FACTOR VIII*

Attorney Docket No.: UMV-1184CPCN

Group Art Unit: 1653

Examiner: Desai, Anand U.

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EL 931680705 US, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: February 23, 2004

Signature: _____

(DeAnn F. Smith)

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

For the Examiner's convenience in reviewing this continuation application, Applicants submit a consolidated PTO Form 1449, listing all references cited during the prosecution of the parent application. The present application is a Continuation of U.S. Serial No. 08/980038, filed November 26, 1997 (Atty. Docket No. UMV-1184CP). All references listed on the enclosed PTO Form 1449 have been previously cited by or submitted to the Office in the prior application, and, in accordance with 37 CFR §1.98(d), copies of the references are not enclosed but will be provided upon request.

This statement is not to be interpreted as a representation that the cited publications are material, that an exhaustive search has been conducted, or that no other

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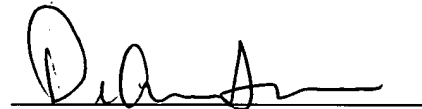
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relevant information exists. Nor shall the citation of any publication herein be construed *per se* as a representation that such publication is prior art. Moreover, Applicants understand that the Examiner will make an independent evaluation of the cited publications.

In accordance with 37 CFR §1.97(c)(2) and §1.17(p), please charge the \$180.00 submission fee to our Deposit Order Account No. 12-0080. Please charge any necessary additional fees or credit any overpayments to our Deposit Order Account No. 12-0080.

Respectfully submitted,
LAHIVE & COCKFIELD, LLP



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DFS/HPR/kvj
Enclosures



APPLICANT FACSIMILE OF FORM PTO-1449 Rev. 1-80	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO UMV-1184CPCN	SERIAL NO. 09/819098
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT Kaufman, R. J. et al.	
		FILING DATE April 11, 2001	GROUP 1653

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	4,757,006	07/88	Toole, Jr. et al.	435	68	
	A2	4,868,112	09/89	Toole, Jr.	435	68	
	A3	5,004,803	04/91	Kaufman et al.	530	383	
	A4	5,045,455	09/91	Kuo et al.	435	69.6	
	A5	5,214,033	05/93	Zimmerman et al.	517	21	
	A6	5,250,421	10/93	Kaufman et al.	435	69.6	
	A7	5,451,521	09/95	Kaufman et al.	435	240.2	
	A8	5,563,045	10/96	Pittman et al.	435	69.6	
	A9	5,661,008	08/97	Almstedt et al.	435	69.6	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	A10	WO 87/04187	07/87	WO				
	A11	WO 87/06101	10/87	WO				
	A12	WO 87/07144	12/87	WO				
	A13	WO 88/03558	05/88	WO				
	A14	WO 88/08035	10/88	WO				
	A15	EP 295597	12/88	EPO				
	A16	WO 91/07490	05/91	WO				
	A17	EP 197901	07/91	EPO				
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	A19	WO 97/03195	01/97	WO				
	A20	WO 97/40145 A1	10/97	WO				

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	A21	Bertina et al. "Mutation in blood coagulation factor V associated with resistance to activated protein C." <i>Nature</i> . 1994 May 5;369(6475):64-7
	A22	Blond-Elguindi et al. "Affinity panning of a library of peptides displayed on bacteriophages reveals the binding specificity of BiP." <i>Cell</i> . 1993 Nov 19;75(4):717-28
	A23	Brinkhous et al. "Purified human factor VIII procoagulant protein: comparative hemostatic response after infusions into hemophilic and von Willebrand disease dogs." <i>PNAS USA</i> . 1985 Dec;82(24):8752-6
	A24	Castaman et al. "Effectiveness of high-dose intravenous immunoglobulin in a case of acquired von Willebrand syndrome with chronic melena not responsive to desmopressin and factor VIII concentrate." <i>Am. J. Hematol</i> . 1992 Oct;41(2):132-6
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

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B1	Cripe <i>et al.</i> "Structure of the gene for human coagulation factor V." <i>Biochemistry</i> . 1992 Apr 21;31(15):3777-85
B2	Dahlbäck <i>et al.</i> "Familial thrombophilia due to a previously unrecognized mechanism characterized by poor anticoagulant response to activated protein C: prediction of a cofactor to activated protein C." <i>PNAS USA</i> 1993 Feb 1;90(3):1004-8
B3	Dahlbäck <i>et al.</i> "Inherited resistance to activated protein C is corrected by anticoagulant cofactor activity found to be a property of factor V." <i>PNAS USA</i> 1994 Feb 15;91(4):1396-400
B4	Davie <i>et al.</i> "The coagulation cascade: initiation, maintenance, and regulation." <i>Biochemistry</i> . 1991 Oct 29;30(43):10363-70
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B9	Eaton <i>et al.</i> "Proteolytic processing of human factor VIII. Correlation of specific cleavages by thrombin, factor Xa, and activated protein C with activation and inactivation of factor VIII coagulant activity." <i>Biochemistry</i> . 1986 Jan 28;25(2):505-12
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B15	Flynn <i>et al.</i> "Peptide binding and release by proteins implicated as catalysts of protein assembly." <i>Science</i> 1989 Jul 28;245(4916):385-90
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B17	Gitschier <i>et al.</i> "Characterization of the human factor VIII gene." <i>Nature</i> 1984 Nov 22-28;312(5992):326-30
B18	Guinto <i>et al.</i> "The complete cDNA sequence of bovine coagulation factor V." <i>J. Biol. Chem.</i> 1992 Feb 15;267(5):2971-8
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C2	Kane <i>et al.</i> "Cloning of a cDNA coding for human factor V, a blood coagulation factor homologous to factor VIII and ceruloplasmin." <i>PNAS USA</i> 1986 Sep;83(18):6800-4
C3	Kaufman <i>et al.</i> "Amplification and expression of sequences cotransfected with a modular dihydrofolate reductase complementary DNA gene." <i>J. Mol. Biol.</i> 1982 Aug 25;159(4):601-21
C4	Kaufman <i>et al.</i> "Identification of the components necessary for adenovirus translational control and their utilization in cDNA expression vectors." <i>PNAS USA</i> 1985 Feb;82(3):689-93
C5	Kaufman <i>et al.</i> "Synthesis, processing, and secretion of recombinant human factor VIII expressed in mammalian cells." <i>J. Biol. Chem.</i> 1988 May 5;263(13):6352-62
C6	Kozutsumi <i>et al.</i> "The presence of malformed proteins in the endoplasmic reticulum signals the induction of glucose-regulated proteins." <i>Nature</i> 1988 Mar 31;332(6163):462-4
C7	Koedam <i>et al.</i> "Inactivation of human factor VIII by activated protein C. Cofactor activity of protein S and protective effect of von Willebrand factor." <i>J. Clin. Invest.</i> 1988 Oct;82(4):1236-43
C8	Lenting <i>et al.</i> "Identification of a binding site for blood coagulation factor IXa on the light chain of human factor VIII." <i>J. Biol. Chem.</i> 1994 Mar 11;269(10):7150-5
C9	Leyte <i>et al.</i> "Sulfation of Tyr1680 of human blood coagulation factor VIII is essential for the interaction of factor VIII with von Willebrand factor." <i>J. Biol. Chem.</i> 1991 Jan 15;266(2):740-6
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C11	Lusky <i>et al.</i> "Characterization of the bovine papilloma virus plasmid maintenance sequences." <i>Cell.</i> 1984 Feb;36(2):391-401
C12	Mann <i>et al.</i> "Cofactor proteins in the assembly and expression of blood clotting enzyme complexes." <i>Annu. Rev. Biochem.</i> 1988;57:915-56
C13	Marquette <i>et al.</i> "A 110-amino acid region within the A1-domain of coagulation factor VIII inhibits secretion from mammalian cells." <i>J. Biol. Chem.</i> 1995 Apr 28;270(17):10297-303
C14	Michnick <i>et al.</i> "Identification of individual tyrosine sulfation sites within factor VIII required for optimal activity and efficient thrombin cleavage." <i>J. Biol. Chem.</i> 1994 Aug 5;269(31):20095-102
C15	Munro <i>et al.</i> "An Hsp70-like protein in the ER: identity with the 78 kd glucose-regulated protein and immunoglobulin heavy chain binding protein." <i>Cell.</i> 1986 Jul 18;46(2):291-300
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C18	Pipe <i>et al.</i> , "Construction and characterization of inactivation resistant factor VIII," <i>Blood</i> , 88(10):441 (1996)
C19	Pipe <i>et al.</i> , "Characterization of a genetically engineered inactivation-resistant coagulation factor VIIIa." <i>PNAS USA</i> . 1997 Oct 28;94(22):11851-6
C20	Pittman <i>et al.</i> , "Proteolytic requirements for thrombin activation of anti-hemophilic factor (factor VIII)," <i>Proc. Nat. Acad. Sc.</i> 85:2429-33 (1988)
C21	Pittman <i>et al.</i> "A2 domain of human recombinant-derived factor VIII is required for procoagulant activity but not for thrombin cleavage." <i>Blood</i> . 1992 Jan 15;79(2):389-97
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D1	Pittman <i>et al.</i> "Post-translational requirements for functional factor V and factor VIII secretion in mammalian cells." <i>J. Biol. Chem.</i> 1994 Jun 24;269(25):17329-37
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D7	Stubbs <i>et al.</i> "cDNA cloning of a mouse mammary epithelial cell surface protein reveals the existence of epidermal growth factor-like domains linked to factor VIII-like sequences." <i>PNAS USA</i> 1990 Nov;87(21):8417-21
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D10	Swaroop, M. et al., "Mutation of Phe309Ser, a putative BIP binding site, enhances secretion of coagulation factor VIII," <i>Blood</i> , 88(10):441a (1996)
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D13	Toole <i>et al.</i> "A large region (approximately equal to 95 kDa) of human factor VIII is dispensable for in vitro procoagulant activity." <i>PNAS USA</i> 1986 Aug;83(16):5939-42
D14	Toole, J. J. et al., "Exploration of structure-function relationships in human factor VIII by site-directed mutagenesis," <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 51(1):543-9 (1986)
D15	Varadi <i>et al.</i> "Influence of factor V and factor Va on APC-induced cleavage of human factor VIII." <i>Thromb. Haemost.</i> 1995 Apr;73(4):730-1
D16	Varadi <i>et al.</i> "A chromogenic assay for activated protein C resistance." <i>Br. J. Haematol.</i> 1995 Aug;90(4):884-91
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D18	Walker <i>et al.</i> "Inactivation of factor VIII by activated protein C and protein S." <i>Arch. Biochem. Biophys.</i> 1987 Jan;252(1):322-8
D19	Walker <i>et al.</i> "Identification of the binding site for activated protein C on the light chain of factors V and VIII." <i>J. Biol. Chem.</i> 1990 Jan 25;265(3):1484-9
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